



Underground Injection Control Permit

Issued To:
CM 5775
109 West Lake Avenue
Guilford, CT 06427

Site Name: The Guilford House
Site Address: 109 West Lake Avenue
Guilford, CT 06427
Watershed: West River and South Central
Shoreline

Permit No.: UI0000458

Issuance Date:

Effective Date: 1st day of the calendar month following
the Issuance Date

Expiration Date: 10 years from Issuance Date

1.0 GENERAL PROVISIONS

- 1.1 This permit is issued in accordance with section 1421 of the Federal Safe Drinking Water Act 42 USC 300h et. seq., section 22a-430 of Chapter 446k, Connecticut General Statutes (“CGS”), and Regulations of Connecticut State Agencies (“RCSA”) adopted thereunder, as amended.
- 1.2 CM 5775 (“Permittee”), shall comply with all conditions of this permit including the following sections of the RCSA which have been adopted pursuant to section 22a-430 of the CGS and are hereby incorporated into this permit. Your attention is especially drawn to the notification requirements of subsection (i)(2), (i)(3), (j)(1), (j)(6), (j)(8), (j)(9)(C), (j)(11)(C), (D) of section 22a-430-3.

Section 22a-430-3 General Conditions

- (a) Definitions
- (b) General
- (c) Inspection and Entry
- (d) Effect of a Permit
- (e) Duty to Comply
- (f) Proper Operation and Maintenance
- (g) Sludge Disposal
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(q) Equalization

Section 22a-430-4 Procedures and Criteria

(a) Duty to Apply

(b) Duty to Reapply

(c) Application Requirements

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(h) Public Comments

(i) Final Determination

(j) Public Hearings

(k) Submission of Plans and Specifications. Approval

(l) Establishing Effluent Limitations and Conditions

(m) Case by Case Determinations

(n) Permit issuance or renewal

(o) Permit Transfer

(p) Permit revocation, denial or modification

(r) Treatment Requirements for Metals and Cyanide

2.0 COMMISSIONER'S DECISION

- 2.1** The Commissioner has made a final determination and found that the system installed for the treatment of the discharge will protect the waters of the state from pollution. The Commissioner's decision is based on Application No. 202303890 for permit issuance, received on April 28, 2023, and the administrative record established in the processing of that application.
- 2.2** From the effective date of this permit, for a term not to exceed ten (10) years and until this permit expires or is modified or revoked, the Commissioner hereby authorizes the Permittee to discharge a maximum daily flow of nine thousand (9,000) gallons per day of treated domestic sewage to waters of the state in accordance with the terms and conditions of this permit, the above referenced application, and all modifications and approvals issued by the Commissioner or the Commissioner's authorized agent for the discharges and/or activities authorized by, or associated with, this permit following the issuance date of this permit.
- 2.3** The Commissioner reserves the right to make appropriate revisions to the permit in order to establish any appropriate effluent limitations, schedules of compliance, or other provisions that may be authorized under the Federal Safe Drinking Water Act or the Connecticut General Statutes or regulations adopted thereunder, as amended. The permit as modified or renewed under this paragraph may also contain any other requirements of the Federal Safe Drinking Water Act or Connecticut General Statutes or regulations adopted thereunder, which are then applicable.

- 2.4** The Permittee shall assure that ground water affected by the subject discharge shall conform to the Connecticut Water Quality Standards.
- 2.5** The Permittee shall develop, retain, and implement an Operations and Maintenance Plan in accordance with section 22a-430 of the RCSA. The Plan shall be retained on site and made immediately (within 48 hours) available upon request.
- 2.6** The use of any sewage system additive as defined in section 22a-460(g) of the CGS is prohibited unless such additive complies with section 22a-461 of the CGS. The Commissioner in no way certifies the safety or effectiveness of any sewage system additive.
- 2.7** Oils, greases, industrial or commercial wastes, toxic chemicals, or other substances that will adversely affect the operation of the subsurface sewage treatment and disposal system, or which may pollute ground or surface water, shall not be discharged to the subsurface sewage treatment and disposal system.
- 2.8** The Permittee shall operate and maintain all processes as installed in accordance with the approved plans and specifications and as outlined in the associated operation and maintenance manual. This includes but is not limited to all recycle pumping systems, aeration equipment, mixing equipment, anoxic reactors, chemical feed systems, or any other process equipment necessary for the optimal removal of pollutants. The Permittee shall neither bypass nor fail to operate any of the approved equipment or processes without the written approval of the Commissioner.
- 2.9** The Permittee shall comply with Section 22a-416-1 through Section 22a-416-10 of the RCSA concerning operator certification. Unless a different classification of certified operator is required under a separate written approval issued by the Commissioner, the Permittee shall ensure that the wastewater treatment facility is operated by a person with a valid and effective certification in the State of Connecticut, at a minimum, as a facility Class II operator pursuant to Section 22a-416(d) of the CGS and the regulations adopted thereunder. The Permittee shall ensure that the wastewater treatment facility is operated by such an operator with such qualifications throughout the entire life of the wastewater treatment facility.

3.0 EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

- 3.1** The Permittee's discharge shall not exceed and shall otherwise conform to the specific terms and conditions listed in this permit. The discharge is restricted by and shall be monitored in accordance with Tables A through C, which are incorporated into this permit as Attachment 1.
- 3.2** The Permittee's discharge is restricted by and shall monitor the ground water in accordance with Table D, which is incorporated into Attachment 1 of this permit.

- 3.3** The Permittee shall maintain at the facility a record of the total flow for each day of discharge and shall attach to the Discharge Monitoring Report ("DMR") the total flow and number of hours of discharge for the day of sample collection and the average daily flow for each sampling month.
- 3.4** All samples shall be comprised of only those wastewaters described in Attachment 1 of this permit. Samples shall be taken prior to combining with wastewaters of any other type and after all approved treatment units, if applicable. All samples taken shall be representative of the discharge during standard operating conditions.
- 3.5** In cases where limits and sample type are specified but sampling is not required, the limits specified shall apply to all samples which may be collected and analyzed by the Permittee, or other parties.
- 3.6** The Permittee shall monitor, inspect, and maintain the treatment facilities in accordance with Table E, which is incorporated into Attachment 2 of this permit. The results of all inspections and maintenance requirements shall be kept on-site and made immediately available to DEEP upon request.
- 3.7** The monitoring and sampling required within this permit is the minimum for reporting purposes only. More frequent monitoring and sampling of the treatment system may be required to properly operate the facility as required by the Operation and Maintenance Plan.

4.0 SAMPLE COLLECTION AND HANDLING, ANALYTICAL TECHNIQUES, AND REPORTING REQUIREMENTS

- 4.1** Chemical analyses to determine compliance with effluent limits and conditions established in this permit shall be performed using the methods approved by the Environmental Protection Agency pursuant to 40 CFR 136 unless an alternative method has been approved in writing in accordance with 40 CFR 136.4 or as provided in section 22a-430-3(j)(7) of the RCSA. Chemicals which do not have methods of analysis defined in 40 CFR 136 shall be analyzed in accordance with methods specified in this permit or prescribed by the Commissioner.
- 4.2** If any sample analysis indicates that an effluent limitation specified in Section 3 of this permit has been exceeded, in addition to the notification requirements, a second sample of the effluent shall be collected and analyzed for the parameter(s) in question and the results shall be reported to the Commissioner within thirty (30) days of the exceedance and submitted as an attachment with the next DMR. Resampling for a permit violation is in addition to routine required sampling.
- 4.3** If this permit requires monitoring of a discharge on a calendar basis (e.g. monthly, quarterly, etc.) but a discharge has not occurred within the monitoring period specified in the permit, the Permittee must submit the DMR, indicating "NO

DISCHARGE". For those Permittees whose required monitoring is discharge dependent (e.g. per batch), the minimum reporting frequency is monthly. Therefore, if there is no discharge during a calendar month for a batch discharge, a DMR must be submitted indicating such by the end of the following month.

- 4.4** The Permittee shall report the results of chemical analysis and treatment facilities monitoring required on the DMR in accordance with this permit. Except for continuous monitoring, any monitoring required more frequently than monthly shall be reported on an attachment to the DMR.
- 4.5** The DMR shall be submitted by the last day of the following month in which the samples are taken.
- 4.6** The Permittee shall report electronically using NetDMR, a web-based tool that allows Permittees to electronically submit DMRs and other required reports through a secure internet connection. All reports required under the permit, including any monitoring conducted more frequently than monthly or any additional monitoring conducted in accordance with 40 CFR 136, shall be submitted to DEEP as an electronic attachment to the DMR in NetDMR.
 - 4.6.1** Information on NetDMR is available on DEEP's website at www.ct.gov/deep/netdmr.
 - 4.6.2** NetDMR can be access at the following online website address, as amended: <https://netdmr.epa.gov/netdmr/public/home.htm>

5.0 COMPLIANCE SCHEDULE

- 5.1** Within thirty (30) days of the issuance date of this permit, the Permittee shall record a copy thereof on the land records in the Town of Guilford. On or before thirty (30) days after such recording, the Permittee shall submit written verification to the Commissioner that this permit has been recorded on the land records in the Town Guilford.
- 5.2** Within six (6) months of the issuance date of this permit, the Permittee shall submit for the Commissioner's review and written approval:
 - 5.2.1** A Comprehensive Engineering Report ("Report"), prepared by a professional engineer licensed to practice in the state of Connecticut. The report shall propose a Corrective Action Plan with supporting justification to ensure the system complies with the permit terms and conditions. The Report shall include plans and specifications to modify the alternative sewage treatment systems and include a detailed implementation schedule not to exceed one (1) year.

- 5.2.2** A Groundwater Monitoring Plan with proposed up, mid, and downgradient monitoring wells for the on-site treatment systems using the results of a groundwater flow contour map, along with a construction schedule for their installation not to exceed one (1) year. Within 14 months of the issuance date of the permit, the Permittee is required to begin monitoring the groundwater wells and in compliance with the permit terms and conditions the next monitoring period specified in the permit.
- 5.3** Within two (2) years after receiving the Commissioner's written approval for the treatment modification required by paragraph 5.2.1 of this permit, the Permittee shall provide verification of system modification installation.
- 5.4** Within three (3) months after completing the installation and complying with the requirements of paragraph 5.3 of this permit, the Permittee shall verify in writing to the Commissioner that the alternative sewage treatment system is operating in accordance with the approved plans and specifications and is achieving compliance with all permit limits and conditions.
- 5.5** Starting two (2) years after the issuance date of this permit and at a two (2) year frequency thereafter, the Permittee shall submit the results of a Permit Compliance Audit ("Audit") to the Commissioner. Such Audits shall be performed within sixty (60) days prior to the submittal date. The compliance Audits shall be performed by a professional engineer licensed to practice in the state of Connecticut with the appropriate education, experience and training that is relevant to the work required.
- 5.5.1** Each Audit shall evaluate compliance with all permit terms and conditions for the preceding two-year period. The evaluation shall review all pertinent records and documents as necessary, including DMRs, laboratory reports, operations and maintenance plans, performance logs/records, equipment specifications, maintenance schedules, engineering drawings, and spare parts inventory.
- 5.5.2** Each Audit report shall include a description of all records and documents used in the evaluation, a summary of compliance with permit terms and conditions, and detailed descriptions of all remedial actions taken or proposed to address each violation or deficiency discovered.
- 5.5.3** The 4th (fourth) Audit report shall also include detailed findings from a physical inspection of each on-site sewage treatment and disposal system and an evaluation of the performance and operation of each such system. In the event of a system malfunction or failure, the Permittee shall prepare and submit a remedial plan identifying action proposed and/or implemented to correct the malfunction or failure for the Commissioner's review and written approval.

5.5.4 A copy of each Audit report shall be submitted to the Guilford Health Department.

5.5.5 In the event that the Permittee becomes aware that it did not or may not comply, or did not or may not comply on time, with any requirement of this section of the permit or of any document required hereunder, the Permittee shall immediately notify the Commissioner and shall take all reasonable steps to ensure that any noncompliance or delay is avoided or, if unavoidable, minimized to the greatest extent possible. In so notifying the Commissioner, the Permittee shall state in writing the reasons for the noncompliance or delay and propose, for the review and written approval of the Commissioner, dates by which compliance will be achieved, and the Permittee shall comply with any dates, which may be approved in writing by the Commissioner. Notification by the Permittee shall not excuse noncompliance or delay, and the Commissioner's approval of any compliance dates proposed shall not excuse noncompliance or delay unless specifically so stated by the Commissioner in writing.

5.6 Within fourteen (14) days of the date the Permittee becomes aware of a change in any information submitted to the Commissioner under this section of the permit, or that any such information was inaccurate or misleading or that any relevant information was omitted, the Permittee shall submit the correct or omitted information to the Commissioner.

6.0 RECORD KEEPING

6.1 Records required by this permit shall be retained on-site, or at the Permittee's principal place of business in Connecticut, as required by section 22a-430-3(j)(9)(B) of the RCSA.

6.2 The Permittee shall retain records and all reports required by the permit for a period of at least ten (10) years after the expiration date of the permit.

6.3 The Commissioner may extend this period as he or she deems necessary upon written notice to the Permittee, and this period is automatically extended for as long as a Permittee is under an active order from the Commissioner under Chapter 446K of the CGS or if the Permittee is in litigation for any violation of any permit or order issued by the Commissioner under Chapter 446K of the CGS.

6.4 All records shall be made available to the Commissioner immediately (within 24 hours) upon request.

7.0 RECORDING AND REPORTING OF VIOLATIONS, ADDITIONAL TESTING REQUIREMENT

- 7.1** In accordance with Section 22a-430-3(j)(8), 22a-430-3(j)(11)(D), 22a-430-3(k)(4), and 22a-430-3(i)(3) of the RSCA, the Permittee shall notify the Commissioner of the following actual or anticipated noncompliance with the terms or conditions of this permit within two hours of becoming aware of the circumstances. All other actual or anticipated violations of the permit shall be reported to the Commissioner within twenty-four (24) hours of becoming aware of the circumstances:
- 7.1.1** A noncompliance that is greater than two times an effluent limitation;
 - 7.1.2** A noncompliance of any minimum or maximum daily limitation or excursion beyond a minimum or maximum daily range;
 - 7.1.3** Any condition that may endanger human health or the environment, including but not limited to noncompliance with WET limitations;
 - 7.1.4** Any condition that may endanger the operation of a POTW, including sludge handling and disposal;
 - 7.1.5** A failure or malfunction of monitoring equipment used to comply with the monitoring requirements of this permit;
 - 7.1.6** Any actual or potential bypass of the Permittee's collection system or treatment facilities; or
 - 7.1.7** Expansions or significant alterations of any wastewater collection, treatment facility, or its method of operation for the purpose of correcting or avoiding a permit violation.
- 7.2** Notifications shall be submitted via the Commissioner's online Noncompliance Notification Form:
<https://portal.ct.gov/deep/water-regulating-and-discharges/industrial-wastewater/compliance-assistance/notification-requirements..>
- 7.3** Within five days of any notification of noncompliance in accordance with Sections 9(A)(a) through 9(A)(f) of this permit, the Permittee shall submit a follow-up report within five (5) days of the noncompliance using the Commissioner's online Noncompliance Follow-up Report Form:
<https://portal.ct.gov/deep/water-regulating-and-discharges/industrial-wastewater/compliance-assistance/notification-requirements..>
- The follow-up report shall contain, at a minimum, the following information: (i) A description of the noncompliance and its cause; (ii) the period of noncompliance, including exact dates and times; (iii) if the noncompliance has not been corrected, the anticipated time it is expected to continue; and (iv) steps taken or planned to correct the noncompliance and reduce, eliminate and prevent recurrence of the noncompliance.
- 7.4** Within thirty (30) days of any notification of facility modifications reported in

accordance with Section 9(A)(g) of this permit, the Permittee shall submit a written follow-up report by submitting a "Facility and Wastewater Treatment System Modification Request for Determination" for the review and approval of the Commissioner. The report shall fully describe the changes made to the facility and reasons therefor.

- 7.5** Notification of an actual or anticipated noncompliance or facility modification does not stay any term or condition of this permit.
- 7.6** In accordance with Section 22a-430-3(j)(11)(D) of the RSCA, the Permittee shall notify the Commissioner within seventy two (72) hours and in writing within thirty (30) days when he or she knows or has reason to believe that the concentration in the discharge of any substance listed in the application, or any toxic substance as listed in Appendix B or D of RSCA Section 22a-430-4, has exceeded or will exceed the highest of the following levels: (1) One hundred micrograms per liter; (2) Two hundred micrograms per liter for acrolein and acrylonitrile, five hundred micrograms per liter for 2,4-dinitrophenol and for 2-methyl-4, 6-dinitrophenol; and one milligram per liter for antimony; (3) An alternative level specified by the commissioner, provided such level shall not exceed the level which can be achieved by the Permittee's treatment system; or (4) A level two times the level specified in the Permittee's application.

72 hour initial notifications shall be submitted via the Commissioner's online Noncompliance Notification Form. Thirty (30) day follow-up reports shall be submitted via the Commissioner's online Noncompliance Follow-up Report Form.

The Forms are available at the Commissioner's website, here:
<https://portal.ct.gov/deep/water-regulating-and-discharges/industrial-wastewater/compliance-assistance/notification-requirements>.

8.0 STANDARD CONDITIONS

- 8.1** Annual Fee
An annual fee shall be paid for each year this permit is in effect as set forth in section 22a-430-7 of the RSCA.
- 8.2** Inspection and Entry
The Commissioner or his or her authorized representative may take any actions authorized by sections 22a-6 (5), 22a-425 or 22a-336 of the CGS as amended.
- 8.3** Submission of Documents
Any document required to be submitted to the Commissioner under this section of the permit will, unless otherwise specified in this permit or in writing by the Commissioner, be directed to:

DEEP.UICPermitting@ct.gov

With the subject line: “ATTN: UIC Permit No. UI0000458”

8.4 Violations

Violations of any of the terms, conditions, or limitations contained in this permit may subject the Permittee to enforcement action including, but not limited to, seeking penalties, injunctions and/or forfeitures pursuant to applicable sections of the CGS and RCSA.

8.5 Enforcement

The Commissioner may take any enforcement action provided by law, including but not limited to seeking injunctions, penalties and forfeitures as provided in sections 22a-6, 22a-7, 22a-430, 22a-432, 22a-435, 22a-438 and 22a-471 of the CGS as amended, for any violations or acts of noncompliance with chapter 446k of the CGS or any regulation, order, permit or approval issued thereunder.

8.6 Need to Halt or Reduce Activity Not a Defense

It shall not be a defense for a Permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of the permit.

8.7 No Assurance

No provision of this permit and no action or inaction by the Commissioner shall be construed to constitute an assurance by the Commissioner that the actions taken by the Permittee pursuant to this permit will result in compliance or prevent or abate pollution.

8.8 Relief

Nothing in this permit shall relieve the Permittee of other obligations under applicable federal, state and local law.

8.9 Duty to Provide Information

The Commissioner may require any Permittee to provide within a reasonable time (thirty (30) days) any information which the Commissioner may request to determine whether cause exists for modifying or revoking the permit or to determine compliance with the permit, including but not limited to copies of records required to be kept by the Permittee.

8.10 Duty to Comply

The Permittee shall comply with all terms and conditions of the permit. Any permit noncompliance constitutes a violation of Chapter 446k of the CGS. Permit noncompliance is grounds for enforcement action, permit revocation or modification, or denial of a permit renewal application.

It shall not be a defense for a Permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of the permit.

8.11 Duty to Mitigate

The Permittee shall take all reasonable steps to minimize or prevent any discharge in violation of the permit or any discharge which has a reasonable likelihood of adversely affecting human health or the environment.

8.12 Sludge Disposal

The Permittee shall dispose of screenings, sludges, chemicals and oils and any solid or liquid wastes resulting from the wastewater treatment processes at locations approved by the Commissioner for disposal of such materials, or by means of a waste hauler licensed under the provisions of the CGS.

8.13 Resource Conservation

All Permittees shall implement and maintain practices and/or facilities which, to the maximum extent practicable, result in the minimum amount of wastewater discharged. Such results may be achieved by methods including but not limited to water conservation, resource recovery, waste recycling, wastewater reuse, and material or product substitution. Excessive use of water or the addition of water to dilute an effluent in order to meet any permit limitations or conditions is prohibited.

8.14 Spill Prevention and Control

The Permittee shall maintain practices, procedures and facilities designed to prevent, minimize and control spills, leaks or such other unplanned releases of all toxic or hazardous substances and any other substances as the Commissioner deems necessary to prevent pollution of the waters of the state. Such requirements shall, unless otherwise allowed by the Commissioner, apply to all facilities used for storing, handling transferring, loading or unloading such substances, including manufacturing areas.

The requirements of this section do not apply to facility components or systems already covered by plans prepared or approved under the Resource Conservation and Recovery Act and the Spill Prevention, Control and Countermeasure program.

8.15 Duty to Reapply

The permit will be effective for a fixed term not to exceed ten years and the Permittee shall reapply for permit coverage one hundred eighty (180) days prior to the expiration date of the permit.

8.16 Equalization

All treatment facilities shall be designed to prevent upsets, malfunctions or instances

of noncompliance resulting from variations in wastewater strength or flow rate, and shall include, as the Commissioner deems necessary, equalization facilities separate from the treatment facilities.

8.17 Bypass

The Permittee shall not at any time bypass the collection system or treatment facilities or any part thereof unless such bypass is unanticipated, unavoidable, and necessary to prevent loss of life, personal injury or severe property damage, and there were no feasible alternatives to the bypass, including but not limited to the use of auxiliary or back- up treatment facilities, retention of untreated wastes, stopping the discharges, or maintenance during normal periods of equipment downtime; or the Permittee receives prior written approval of the bypass from the Commissioner in order to perform essential maintenance, and the bypass does not cause effluent limitations to be exceeded.

In the event such a bypass is necessary, the Permittee shall to the extent possible minimize or halt production and/or all discharges until the facility is restored or an alternative method of treatment is provided.

In order to prevent a bypass, the Permittee may schedule maintenance during periods when no discharge is occurring or employ any necessary means, including but not limited to duplicate units and systems or alternative collection and treatment or pretreatment schemes. Any such means shall insure that the effluent limitations specified in the permit are achieved; be approved by the director in writing prior to its use, which approval shall include an alternative schedule for monitoring if appropriate; and be discontinued upon completion of the performance of the essential maintenance.

The Permittee shall provide notice to the director not less than twenty-four (24) hours prior to the use of any alternative scheme and monitor and record the quality and quantity of the discharge in accordance with permit terms and conditions or an approved alternative schedule. Such monitoring shall be submitted with the next monitoring report required by the permit and shall not be used to meet routine scheduled monitoring report requirements of the permit.

If any bypass occurs or may occur, the Permittee shall, within one (1) hours of becoming aware of such condition or need, notify the director during normal business hours (860-566-3245), and DEEP's Emergency Response Unit at all other times (860-566-3338) and submit within five (5) days a written report including the cause of the problem, duration including dates and times and corrective action taken or planned to prevent other such occurrences.

In addition, if the Permittee has reason to believe that any effluent limitation specified in the permit may be violated, the Permittee shall immediately take steps to prevent

or correct such violation, including but not limited to employing an alternative scheme of collection or treatment, and/or control the production of the wastewater and shall monitor and record the quality and quantity of the discharge in accordance with the permit terms and conditions or an approved alternative schedule. Such monitoring shall be submitted with the next monitoring report required by the permit and shall not be used to meet the routine monitoring requirements of the permit.

8.18 Proper Operation and Maintenance

The Permittee shall at all times properly operate and maintain all facilities and systems and parts thereof for wastewater collection, storage, treatment and control which are installed or used by the Permittee to achieve compliance with the terms and conditions of the permit. Proper operation and maintenance includes but is not limited to effective performance, adequate funding, and adequate operator staffing and training, including the employment of certified operators as may be required by the Commissioner pursuant to sections 22a-416-1 through 22a-416-10 of the RCSA, as amended, and adequate laboratory and process controls, including appropriate quality assurance procedures.

In accordance with sections 22a-416 through 22a-471 of the CGS as amended, the Permittee is required to install and operate a back-up or auxiliary facilities or similar systems or the inventory of spare parts and appurtenances.

8.19 Instrumentation, Alarms, and Flow Records

Except for batch treatment systems unless required by the Commissioner, process wastewater treatment systems shall include instrumentation to automatically and continuously indicate, record and/or control those functions of the system and characteristics of the discharge which the Commissioner deems necessary to assure protection of the waters of the State.

If continuous flow measurement equipment is not present at a given outfall or discharge location, you may estimate flows and retain records in accordance with this permit the following information: (1) A description of the methodology used to estimate flow (for each applicable outfall); (2) Documentation appropriate to the methodology utilized which provides information necessary to support the validity of the reported flow estimate. If actual measurements or observations are made, a description of typical sampling times, locations, and persons performing the measurements/observations should be provided; and (3) A description of the factors (e.g. batch discharges, intermittent operation, etc.) which cause flow at the outfall to fluctuate significantly from the estimate provided.

8.20 Signatory Requirements

All permit applications and permit modification requests submitted to the Commissioner shall be signed as follows:

For a corporation: by a responsible corporate officer. For the purposes of this section,

a responsible corporate officer means: a president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy or decision making functions for the corporation, or the manager of one or more manufacturing, production, or operating facilities employing more than two hundred fifty persons or having gross annual sales or expenditures exceeding twenty-five million dollars (in second quarter 1980 dollars), if authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures;

For a partnership or sole proprietorship: by a general partner or the proprietor, respectively; or

For a municipality, State, Federal, or other public agency; by either a principal executive officer or a ranking elected official. For purposes of this section, a principal executive officer of a federal agency includes the chief executive officer of the agency, or a senior executive officer having responsibility for the overall operations of a principal geographic unit of the agency.

All reports required by permits, and other information submitted to the Commissioner shall be signed by a person described above of this section or by a duly authorized representative of that person. A person is a duly authorized representative only if:

The authorization is made in writing by a person described above;

The authorization specifies either an individual or a position having responsibility for the overall operation of the regulated facility or activity, such as the position of plant manager, operator of a well or well field, superintendent, position or equivalent responsibility, or an individual or position having overall responsibility for environmental matters for the company. A duly authorized representative may thus be either a named individual or any individual occupying a named position; and

The written authorization is submitted to the Commissioner.

If an authorization under this subsection is no longer accurate because a different individual or position has assumed the applicable responsibility, a new authorization satisfying the requirements of this section must be submitted to the Commissioner prior to or together with any reports or other information to be signed by an authorized representative.

Any person signing a document under this section shall make the following certification:

“I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those

persons directly responsible for gathering the information, the information is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.”

“I have personally examined and am familiar with the information submitted in this document and all attachments thereto, and I certify that, based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief. I understand that a false statement made in the submitted information may be punishable as a criminal offense, in accordance with section 22a-6 of the General Statutes, pursuant to section 53a-157b of the General Statutes, and in accordance with any other applicable statute.”

8.21 False Statements

Any false statement in any information submitted pursuant to this permit may be punishable as a criminal offense under section 22a-438 or 22a-131a of the CGS or in accordance with section 22a-6, under section 53a-157 of the CGS.

8.22 Correction of Inaccuracies

Within fifteen (15) days after the date a Permittee becomes aware of a change in any of the information submitted pursuant to this permit or becomes aware that any such information is inaccurate or misleading or that any relevant information has been omitted, such Permittee shall correct the inaccurate or misleading information or supply the omitted information in writing to the Commissioner. Such information shall be certified in accordance with Section 8.20 of this permit.

8.23 Transfer of Authorization

The authorization to discharge under this permit may not be transferred without prior written approval of the Commissioner. To request such approval, the Permittee and proposed transferee shall register such proposed transfer with the Commissioner at least thirty (30) days prior to the transferee becoming legally responsible for creating or maintaining any discharge which is the subject of the permit transfer. Failure, by the transferee, to obtain the Commissioner’s approval prior to commencing such discharge may subject the transferee to enforcement action for discharging without a permit pursuant to applicable sections of the CGS and RCSA.

8.24 Other Applicable Law

Nothing in this permit shall relieve the Permittee of the obligation to comply with any other applicable federal, state and local law, including but not limited to the obligation to obtain any other authorizations required by such law.

8.25 Other Rights

This permit is subject to and does not derogate any present or future rights or powers

of the State of Connecticut and conveys no rights in real or personal property nor any exclusive privileges and is subject to all public and private rights and to any federal, state, and local laws pertinent to the property or activity affected by such permit. In conducting any activity authorized hereunder, the Permittee may not cause pollution, impairment, or destruction of the air, water, or other natural resources of this state. The issuance of this permit shall not create any presumption that this permit should or will be renewed.

8.26 Effect of a Permit

The issuance of a permit does not convey any property rights of any sort, or any exclusive privilege, authorize any injury to persons or property or invasion of other private rights, authorize any infringement of the CGS, RCSA or municipal ordinances, or affect the responsibility of the Permittee to obtain all applicable federal, State and municipal authorizations or permits for the discharge and activities which generate the discharge.

9.0 COMMISSIONER'S POWERS

9.1 Abatement of Violations

The Commissioner may take any action provided by law to abate a violation of this permit, including the commencement of proceedings to collect penalties for such violation. The Commissioner may, by summary proceedings or otherwise and for any reason provided by law, including violation of this permit, revoke a Permittee's authorization hereunder in accordance with sections 22a-3a-2 through 22a-3a-6, inclusive, of the RCSA. Nothing herein shall be construed to affect any remedy available to the Commissioner by law.

The Commissioner reserves the right to make appropriate revisions to the permit in order to establish any appropriate effluent limitations, schedules of compliance, or other provisions which may be authorized under the CGS or regulations adopted thereunder, as amended. The permit as modified or renewed under this paragraph may also contain any other requirements of the CGS or regulations adopted thereunder which are then applicable.

9.2 Permit Revocation, Suspension, or Modification

The Commissioner may, for any reason provided by law, by summary proceedings or otherwise, revoke or suspend this permit or modify to establish any appropriate conditions, schedules of compliance, or other provisions which may be necessary to protect human health or the environment.

9.3 Permit Actions

The Commissioner may modify or revoke a permit during its term for cause as

provided in subsection (p) of section 22a-430-4 of the RCSA. Notification of facility modifications does not stay any permit term or condition.

10.0 DEFINITIONS

10.1 The definitions of the terms used in this permit shall be the same as the definitions contained in section 22a-423 of the CGS and sections 22a-430-3(a) and 22a-430-6 of the RCSA.

10.2 In addition to the above, the following definitions shall apply to this permit:

“Annual”, in the context of a sampling frequency, shall mean the sample must be taken in the month of March.

“Average” means the arithmetic average.

“Average daily concentration” means the average concentration of a substance in a daily composite sample.

“Average daily flow” means the average of all total daily flows measured during any calendar month.

“Average monthly concentration” means the average concentration of a substance as measured by the average of all daily composite samples or grab sample averages taken during any calendar month.

“Average monthly limit” means the highest allowable average of all grab samples taken during any calendar month.

“Continuous”, as a sample frequency, means data points must be collected and recorded by a continuous monitoring device in at least one-minute intervals for as long as a discharge occurs.

“Day” means the twenty four hour period commencing at 12:00 a.m., and, unless specified as "business day" shall mean calendar day.

“Discharge” means the emission of any water, substance or material into the waters of the state, whether or not such substance causes pollution as defined in section 22a-423 of the CGS.

“Domestic sewage” means sewage that consists of water and human excretions or other waterborne wastes incidental to the occupancy of a residential building or a non-residential building but not including manufacturing process water, cooling water, wastewater from water softening equipment, commercial laundry wastewater, blowdown from heating or cooling equipment, water from cellar or floor drains or

surface water from roofs, paved surface or yard drains.

“Effluent limitation” means (1) any numerical limitation imposed by the Commissioner on quantities, discharge rates or concentrations of any water, substance or material discharged to the waters of the State or (2) any limitation imposed by the Commissioner on any other measure of the quality or quantity of the discharge.

“Grab sample” means an individual sample collected in less than fifteen minutes.

“Ground waters” means those waters of the state which naturally exist or flow below the surface of the ground and waters flowing through earth materials beneath the ground surface.

“Injection” means the subsurface emplacement of fluids by gravity or greater pressure through a well.

“Instantaneous”, as a sample type, means a grab sample collected with automatic equipment or in-line analysis with automated instrumentation.

“Maximum concentration” means the maximum concentration at any time as determined by a grab sample.

“Maximum daily concentration” means the maximum concentration as measured in a daily composite sample or a grab sample average.

“Maximum daily flow” means the greatest volume of wastewater to be discharged over an operating day, not to exceed the design flow rate.

“Maximum daily quantity” means the maximum quantity of waste generated during an operating day.

“mg/l” means milligrams per liter.

“Non-point source” means any unconfined and diffuse source of pollution such as stormwater or snowmelt runoff, atmospheric deposition, or ground water not conveyed to a surface water discharge point within a discrete conveyance.

“Permittee” means any person who or municipality which is authorized by this permit.

“Pollutant” means any water, substance or material for which the permit in question specifies an effluent limitation.

“Quarterly”, in the context of a sampling frequency, shall mean sampling is required during each calendar quarter ending on the last day of March, June, September and December.

“Safe Drinking Water Act” or “SDWA” means the federal Safe Drinking Water Act, 42 U.S.C. 300f et seq. and applicable regulations promulgated thereunder.

“Subsurface sewage disposal system” means a system receiving domestic sewage consisting of a house sewer, a septic tank followed by a leaching system, any necessary pumps or siphons, and any groundwater control system on which the operation of the leaching system is dependent, as amended.

“Sufficiently sensitive” means using a sufficiently sensitive analytical method as defined in 40 CFR §122.44(i)(1)(iv).

“Three times per year”, in the context of a maintenance frequency, shall mean the maintenance must be performed at least three (3) times during the period of May to November.

“Twice per month”, when used as a sample frequency, shall mean two samples per calendar month collected no less than twelve (12) days apart.

“Twelve month rolling average”, means the average monthly concentration of the current month’s samples averaged with average monthly concentrations from each of the previous eleven (11) months.

“Well” means a bored, drilled, or driven shaft, or a dug hole, the depth of which is greater than its largest surface dimension or a commercial subsurface sewage disposal system, household subsurface sewage disposal system, or other subsurface sewage disposal system.

This permit is hereby issued on

DRAFT

Jennifer L. Perry, P.E.
Bureau Chief

KM/LJ/AD

ATTACHMENT 1

TABLE A (Required to be Reported in NetDMR)					
Discharge Serial No. 301-2			Monitoring Location: ST2		
Wastewater Description: Domestic sewage influent to the treatment system					
Monitoring Location Description: Outlet of the second septic tank					
FLOW/TIME BASED MONITORING					
Parameter	Units	Average Daily Flow Limit	Maximum Daily Flow Limit	Sample Type	Sample Frequency
Flow Rate (Average daily) ¹	gpd	6,000	9,000	Totalizer	Continuous
INSTANTANEOUS MONITORING					
Parameter	Units	Average Monthly Limit ^{2,3}	Sample Type	Sample Frequency ⁴	
Biochemical Oxygen Demand _{5day}	mg/L	Report	Grab	Twice per month	
Total Suspended Solids	mg/L	Report	Grab	Twice per month	
Total Kjeldahl Nitrogen	mg/L	Report	Grab	Twice per month	
pH	S.U.	Report	Grab	Twice per month	
Footnotes:					
1. For this parameter, the Permittee shall maintain at the facility a record of the total flow for each day of discharge and shall report on the DMR the Average Daily Flow and the Maximum Daily Flow for each month.					
2. “Report” in the limits column on this monitoring table means a limit is not specified, but monitoring is required, and a value must be reported on the DMR.					
3. The pH shall be reported as the minimum and the maximum value for the month.					
4. Sample shall be taken twice per month on two different calendar days.					

TABLE B (Required to be Reported in NetDMR)				
Discharge Serial No. 301-2			Monitoring Location: J	
Wastewater Description: Effluent Intermediate Process				
Monitoring Location Description: Bioclere				
INSTANTANEOUS MONITORING				
Parameter	Units	Average Monthly Limit ¹	Sample Type	Sample Frequency ²
pH	S.U.	Report	Grab	Twice per month
Temperature	° F	Report	Grab	Twice per month
Alkalinity	mg/L	Report	Grab	Twice per month
Footnotes:				
1. “Report” in the limits column on this monitoring table means a limit is not specified, but monitoring is required and a value must be reported on the DMR.				
2. Sample shall be taken twice per month on two different calendar days.				

TABLE C
(Required to be Reported in NetDMR)

Discharge Serial No. 301-2			Monitoring Location: E		
Wastewater Description: Pretreated Domestic Sewage Effluent					
Monitoring Location Description: Pump chamber following final settling tank					
FLOW/TIME BASED MONITORING					
Parameter	Units	Average Daily Flow Limit	Maximum Daily Flow Limit	Sample Type	Sample Frequency
Flow Rate (Average daily) ¹	gpd	6,000	9,000	Totalizer	Continuous
INSTANTANEOUS MONITORING					
Parameter	Units	Average Monthly Limit ²	Maximum Daily Limit ^{4,5}	Sample Type	Sample Frequency ⁴
Biochemical Oxygen Demand _{5-day}	mg/L	20	30	Grab	Twice per month
Total Suspended Solids	mg/L	20	30	Grab	Twice per month
Total Nitrogen	mg/L	10 ³	Report	Grab	Twice per month
Ammonia	mg/L	Report	Report	Grab	Twice per month
Nitrate Nitrogen	mg/L	Report	Report	Grab	Twice per month
Nitrite Nitrogen	mg/L	Report	Report	Grab	Twice per month
Total Kjeldahl Nitrogen	mg/L	Report	Report	Grab	Twice per month
Total Phosphorus	mg/L	Report	Report	Grab	Twice per month
pH, Minimum (Day of Sampling)	S.U.	NA	6.0 – 9.0	Grab	Twice per Month
Methanol	mg/l	Report	Report	Grab	Twice per month
Alkalinity	mg/l	Report	Report	Grab	Twice per month
Turbidity	NTU	Report	Report	Grab	Twice per month
Footnotes:					
1. For this parameter, the Permittee shall maintain at the facility a record of the total flow for each day of discharge and shall report on the DMR the Average Daily Flow and the Maximum Daily Flow for each month.					
2. “Report” in the limits column on this monitoring table means a limit is not specified, but monitoring is required and a value must be reported on the DMR.					
3. Limit is based on a twelve-month rolling average.					
4. Sample shall be taken twice per month on two different calendar days.					
5. For the parameter pH, the daily minimum limit is 6.0 S.U. and the daily maximum limit is 9.0 S.U.					

TABLE D
GROUNDWATER MONITORING
(Required to be Reported in NetDMR)

Monitoring Wells			Monitoring Location: GW	
Groundwater Monitoring Location No.: ³ MW B-2, MW B-4			Description: Downgradient monitoring well	
Parameter	Maximum Daily Limit ^{1,2}	Units	Frequency of Sampling	Sample Type
Total Coliform	0 (zero)	Col/100ml	Quarterly	Grab
Groundwater Depth (Standard depth below grade)	Report	Ft	Quarterly	Instantaneous
Ammonia Nitrogen	Report	mg/L	Quarterly	Grab
Nitrate Nitrogen	10	mg/L	Quarterly	Grab
Nitrite Nitrogen	1	mg/L	Quarterly	Grab
Total Kjeldahl Nitrogen	Report	mg/L	Quarterly	Grab
Total Nitrogen	Report	mg/L	Quarterly	Grab
pH	6.0 – 9.0	S.U.	Quarterly	Grab
Total Phosphorous	Report	mg/L	Quarterly	Grab
Footnotes:				
1. “Report” in the limits column on this monitoring table means a limit is not specified, but monitoring is required and a value must be reported on the DMR. 2. For the parameter pH, the daily minimum limit is 6.0 S.U. and the daily maximum limit is 9.0 S.U. 3. Groundwater monitoring wells are subject to revision pending the groundwater monitoring plan required pursuant to Paragraph No. 5.2.				

ATTACHMENT 2

TABLE E INSPECTION, MONITORING AND MAINTENANCE REQUIREMENTS^{1,2}	
Discharge Serial No.: 301-2	Monitoring Location: S
Wastewater Description: Domestic Sewage	
Average Daily Flow: 6,000 gallons per day	Maximum Daily Flow: 9,000 gallons per day
Inspection, Monitoring, or Maintenance	Minimum Frequency
Depth of sludge in septic tank	During pump-out
Pump out septic tank	Annually
Mechanical inspection of septic tank and grease trap baffles	During pump-out
Mechanical inspection of septic tank effluent filter	During pump-out
Clean septic tank effluent filter	During pump-out
Mechanical inspection of pump stations	Monthly
Pump out pump chambers	Annually
Pump out equalization tank	Annually
Pump out primary tank	As needed
Test run of emergency generator	Quarterly
Water meter readings of water usage	Monthly
Visual inspection of BioClere system	Monthly
Visual inspection of anoxic fixed film reactor	Monthly
Visual inspection of final settling tank	Monthly
Mechanical inspection of alarm conditions	As needed
Mechanical inspection of carbon feed system	Monthly
Pump out sludge from settling tank	3 years
Visual Inspection of surface condition of leaching field	Quarterly
Depth of ponding in leaching field	Quarterly
ADDITIONAL NOTES: 1. All inspection, monitoring, and maintenance required in this table shall be reported annually by the end of each January as an attachment to the December DMR. 2. The Guilford Sanitarian shall be notified at least one week prior to pumping of septic tanks and grease traps. Verification of all pump outs shall be attached to the monitoring report and a copy of the report shall be sent to the Guilford Health Department	



Underground Injection Control Permit Fact Sheet

Permit Summary	
Applicant	CM 5775
Permit No.	UI0000458
Application No.	202303890
Date Application Received	April 28, 2023
Location Address	109 West Lake Avenue Guilford, CT 06427
Facility Contact	Christopher Degennaro Maintenance Manager maintenance@theguilfordhouse.com
Mailing Address	109 West Lake Avenue Guilford, CT 06427
Permit Term	10 Years
Permit Type	New
Permit Category	UIC Class V Injection Well
Treatment Description	5W12 Advanced Treatment
Ownership	Private
Compliance Schedule	Yes
Recent Enforcement History	NA
Receiving Waterbody	Groundwater in the West River and South-Central Shoreline
Water Quality Classification(s)	GA
Discharge Locations	DSN 301-2
DEEP Staff Engineer	Kiana Maisonet, Environmental Engineer Email: kiana.maisonet@ct.gov Phone: (860) 424- 3072

SECTION 1.0 PERMIT FEES

Discharge Code: 312000a Representing: DSN 301-2 Annual Fee: \$1,110

SECTION 2.0 NATURE OF BUSINESS GENERATING DISCHARGE

CM 5775 operates Guilford House, a 75-bed nursing home facility combined with a 21-unit assisted living community. The Guilford House is a nursing home facility with short and long-term care, and rehabilitation services located at 109 West Lake Avenue in Guilford, CT.

SECTION 3.0 PROJECT HISTORY

3.1 Application

On August 16, 2007, CM 5775 applied for a new permit to discharge to and expand the facility from 60 to 75 beds and upgrade the existing subsurface sewage disposal system. On June 11, 2009, DEEP issued a permit (with an expiration date of June 10, 2019) for the installation of a new Alternative Treatment (“AT”) system to accommodate a higher design flow and an upgrade of the existing system. CM 5775 did not submit a timely renewal application, and the permit expired requiring them to submit a brand-new application.

On April 28, 2023, the CM 5775 submitted a new (renewal) application, application no. 202303890. On July 6, 2024, the DEEP issued a Notice of Sufficiency.

DEEP performed a review of the DMRs for the period of January 2018 to August 2024 and concluded the following effluent exceedances occurred:

- One exceedance for total nitrogen in 2023 based on twelve month rolling average.
- Three maximum concentrations exceedances of biological chemical oxygen demand.
- Eight average monthly limit exceedances of biological oxygen demand.
- Eight maximum concentration exceedances of total suspended solids.
- Nine average monthly limit exceedances of total suspended solids.

No groundwater monitoring data was received and upon request, the permittee stated that the four (4) monitoring wells were not being sampled.

DEEP completed the technical review of the application and additional information, and determined the alternative treatment and disposal system is not functioning in compliance with the effluent limits of the original 2009 permit. A compliance schedule has been included in this iteration of the draft permit requiring the permittee to submit a Corrective Action Plan to return to compliance.

3.2 Site Visit

On January 22, 2025, DEEP staff performed a site visit with the permittee and systems operators to review the alternative treatment system. At the time of the site visit, DEEP observed the system to have no mechanical problems. The permittees representative noted that two (2) out of four (4) groundwater monitoring wells are not functional, with one (1) working well located downgradient of site.

SECTION 4.0 PROCESS AND TREATMENT DESCRIPTION (by DSN)

Conventional Treatment () Alternative Treatment (X) RECYCLE ()

DSN 301-2 represents the discharge from the existing alternative treatment system consisting of: a 3,500-gallon flow equalization tank, 10,000-gallon baffled septic tank, a Bioclere wastewater treatment plant, anoxic reactor, and final 2,500 gallon settling tank. Treated wastewater is then discharged to a 9,000 square foot crushed stone leaching bed.

SECTION 5.0 COMPLIANCE SCHEDULE

Does the permit include a compliance schedule? Yes (X) No ()

The proposed permit includes the following compliance schedule:

- 1) Recording the permit in the town's land records.
- 2) Submittal of the results of a detailed permit compliance audit every two years.
- 3) Retention of a professional engineer.
- 4) Submission of a Comprehensive Engineering Report evaluating the operation of all treatment systems, including a Corrective Action Plan. The report must include plans and specifications, for review and approval for the proposed corrective actions and include a detailed schedule to implement such actions.
 - a. Submission of a Groundwater Monitoring Plan including a groundwater contour map to identify compliance wells.
 - b. Submission of system modifications upon completion.
 - c. Verification that the modified systems are operating in accordance with the approved plans and specifications.

SECTION 6.0 BASIS FOR LIMITATIONS, PERMIT STANDARDS OR CONDITIONS

In accordance with section 22a-430 of the Regulations of Connecticut State Agencies ("RCSA"), DEEPs "Guidance for Design of Large-Scale On-Site Wastewater Renovation Systems," (February 2006), and DEEP's review of the permit application, site investigation and hydraulic capacity modeling, and pollutant analyses of the wastewater, a determination has been made that there is a need for an advanced wastewater treatment system to protect the ground water from pollution. The advanced wastewater treatment system is designed to treat wastewater and remove pollutants before being discharged to the pressure distribution leaching bed.

6.1 Advanced Wastewater Treatment

The wastewater discharging to the advanced treatment plant and entering the leaching bed was designed to meet the following parameters:

- Average daily flow: 6,000 gallons per day
- Maximum daily flow: 9,000 gallons per day
- Daily minimum and maximum: pH: 6.0 – 9.0 s.u.

Parameter	Average Monthly Limit	Maximum Daily Limit
Biochemical Oxygen Demand _{5-day}	20 mg/L	30 mg/L
Total Suspended Solid	20 mg/L	30 mg/L
Total Nitrogen	10 mg/L (12-month rolling average)	N/A

Monitoring of additional parameters, such as nitrate, has been included in the permit to quantify nitrogen loading and to validate design criteria and year-round operations of the treatment system.

6.2 Leaching Bed Requirements

The leaching bed for a total of 9,000 square feet is designed to accept 9,000 gallons per day.

The leaching bed and the unsaturated zone beneath it are designed to absorb phosphorus and the absorption rate has been demonstrated through calculations thus limiting the discharge significant concentrations of phosphorus to the groundwater.

Bacteria and virus inactivation is achieved as partially treated wastewater continues to flow through the unsaturated area under the leaching bed and downgradient of it. In accordance with the DEEPs design criteria, the minimum required travel time for the wastewater to all points of environmental concern is not less than 21 days.

6.3 Groundwater Monitoring Requirements

Groundwater monitoring at the edge of the property is required to ensure the treated domestic wastewater does not cause pollution. Groundwater leaving the site boundaries must meet the primary maximum contaminant levels (MCLs) in the Safe Drinking Water Act. Groundwater will be monitored for the following parameters: depth to groundwater (feet), nitrate, as N (mg/L), nitrite, as N (mg/L), ammonia, as N (mg/L), total Kjeldahl nitrogen, as N (mg/L), and total nitrogen, as N (mg/L), total phosphorus as P (mg/L), pH (standard units), and total coliform.

SECTION 7.0 VARIANCES AND WAIVERS

The facility did not request a variance or a waiver.

SECTION 8.0 E-REPORTING

The permittee is required to electronically submit discharge monitoring reports.

SECTION 9.0 PROPOSED CHANGES IN THE REISSUANCE

The following changes were made from the previous permit.

1. Requirement to submit a Corrective Action Plan.
2. Requirement to submit Discharge Monitoring Reports electronically to the DEEP via NetDMR in lieu of hard copy submissions.
3. Requirement to submit all notifications of non-compliance and follow-up reports

electronically through the DEEP online noncompliance reporting system.

SECTION 10.0 PUBLIC PARTICIPATION PROCEDURES

10.1 Information Requests

Interested persons may obtain copies of the application from Christopher DeGennaro, 109 West Lake Avenue Guilford, CT 06437. The contact number is (203) 488-9142

The application is available for inspection by contacting Kiana Maisonet at (860) 424-3072 or kiana.maisonet@ct.gov at the Department of Energy and Environmental Protection, Bureau of Materials Management and Compliance Assurance, 79 Elm Street, Hartford, CT 06106-5127 from 8:30 - 4:30, Monday through Friday.

Any interested person may request in writing that his or her name be put on a mailing list to receive notice of intent to issue any permit to discharge to the surface waters of the state. Such request may be for the entire state or any geographic area of the state and shall clearly state in writing the name and mailing address of the interested person and the area for which notices are requested.

10.2 Public Comment

Prior to making a final decision to approve or deny any application, the Commissioner shall consider written comments on the application from interested persons that are received within thirty (30) days of this public notice. Written comments should be directed to Kiana Maisonet, Bureau of Materials Management and Compliance Assurance, Department of Energy and Environmental Protection, 79 Elm Street, Hartford, CT 06106-5127 or DEEP.UICPermitting@ct.gov. The Commissioner may hold a public hearing prior to approving or denying an application if in the Commissioner's discretion the public interest will be best served thereby and shall hold a hearing upon receipt of a petition signed by at least twenty-five persons. Notice of any public hearing shall be published at least thirty (30) days prior to the hearing.

10.3 Petitions for Hearing

Petitions shall be submitted within thirty (30) days from the date of publication of this public notice and should include the application number noted above and also identify a contact person to receive notifications. Petitions may also identify a person who is authorized to engage in discussions regarding the application and, if resolution is reached, withdraw the petition. Upon receipt of a petition, the Commissioner shall take action as required by relevant laws, including Public Act 25-84, which was effective upon passage in June 2025. The Office of Adjudications will accept electronically-filed petitions for hearing in addition to those submitted by mail or hand-delivered. Petitions with required signatures may be sent to deep.adjudications@ct.gov; those mailed or delivered should go to the DEEP Office of Adjudications, 79 Elm Street, Hartford, CT 06106. If the signed original petition is only in an electronic format, the petition must be submitted with a statement signed by the petitioner that the petition exists only in that form. Original petitions that were filed electronically must also be mailed or delivered to the Office of Adjudications within thirty (30) days of electronic submittal. Additional information can be found at www.ct.gov/deep/adjudications.

The Connecticut Department of Energy and Environmental Protection is an Affirmative Action/Equal Opportunity Employer that is committed to complying with the requirements of the Americans with Disabilities Act (ADA). If you are seeking a communication aid or service, have limited proficiency in English, wish to file an ADA or Title VI discrimination complaint, or require some other accommodation, including equipment to facilitate virtual participation, please contact the DEEP Office of Diversity and Equity at 860-418-5910 or by email at deep.accommodations@ct.gov. Any person needing an accommodation for hearing impairment may call the State of Connecticut relay number - 711. To facilitate efforts to provide accommodation, please request all accommodations as soon as possible following notice of any agency hearing, meeting, program, or event.

Draft



**Notice of Tentative Determination
Intent to Issue an Underground Injection Control Permit for Discharges
Into the Waters of the State**

1.0 Tentative Determination

The Commissioner of Energy and Environmental Protection hereby gives notice of a tentative determination to issue a permit based on an application submitted by **CM 5775** ("the applicant") under section 22a-4-30 of the Connecticut General Statutes for a permit to discharge into the waters of the state.

In accordance with applicable federal and state law, the Commissioner has made a tentative decision that continuance of the existing system to treat the discharge would protect the waters of the state from pollution and the Commissioner proposes to issue a permit for the discharge to the groundwaters in the West River and South-Central Shoreline watershed.

The proposed permit, if issued by the Commissioner, will require that all wastewaters be treated to meet the applicable effluent limitations, and periodic monitoring to demonstrate that the discharge will not cause pollution.

2.0 Applicant's Proposal

CM 5775 proposes to discharge a maximum of 9,000 gallons per day of domestic sewage wastewaters to the groundwaters in the West River and South-Central Shoreline watershed from operations at The Guilford House. The Guilford House is a 75-bed nursing home combined with a 21-unit assisted living facility.

Applicant Contact Information: Nathan Moffie 109 West Lake Avenue Guilford, CT 06437

Site Address: 109 West Lake Avenue Guilford, CT 06437

3.0 Regulatory Conditions

3.1 Type of Treatment: CM 5775 discharges to an existing alternative sewage treatment system consisting of: a 3,500 gallon flow equalization tank, 10,000 gallon baffled septic tank, Bioclere wastewater treatment plant, anoxic reactor, and 2,500 gallon settling tank. Treated wastewater is then discharged to a 9,000 square feet crushed stone leaching bed.

3.2 Compliance Schedule: The proposed permit contains an enforceable compliance schedule requiring the permittee to evaluate and modify the sewage treatment systems as needed to meet permit limits. The permit also requires the applicant to submit the results of a detailed compliance audit, performed by a qualified professional engineer.

4.0 Commissioner's Authority

The Commissioner of Energy and Environmental Protection is authorized to approve or deny such permits pursuant to section 22a-430 of the Connecticut General Statutes and the Water Discharge Permit Regulations (section 22a-430-3 and 4 of the Regulations of Connecticut State Agencies), and section 1421

of the Federal Safe Drinking Water Act 42 USC et. seq.

5.0 Information Requests

The application has been assigned the following numbers by the Department of Energy and Environmental Protection. Please use these numbers when corresponding with this office regarding this application.

Application No. 202303890 **Permit No.** UI0000458

Interested persons may obtain copies of the application from:

Christopher DeGennaro,
Address: 109 West Lake Avenue Guilford, CT 06437
Phone: (203) 488-9142.

The application is available for inspection by contacting Kiana Maisonet at (860) 424-3072 or kiana.maisonet@ct.gov, at the Department of Energy and Environmental Protection, Bureau of Materials Management and Compliance Assurance, 79 Elm Street, Hartford, CT 06106-5127 from 8:30 - 4:30, Monday through Friday.

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6.0 Public Comment

Prior to making a final decision to approve or deny any application, the Commissioner shall consider written comments on the application from interested persons that are received within thirty (30) days of this public notice. Written comments should be directed To Kiana Maisonet, Bureau of Materials Management and Compliance Assurance, Department of Energy and Environmental Protection, 79 Elm Street, Hartford, CT 06106-5127 or DEEP.UICPermitting@ct.gov. The Commissioner may hold a public hearing prior to approving or denying an application if in the Commissioner's discretion the public interest will be best served thereby, and shall hold a hearing upon receipt of a petition signed by at least twenty-five persons. Notice of any public hearing shall be published at least thirty (30) days prior to the hearing.

7.0 Petitions for Hearing

Petitions shall be submitted within thirty (30) days from the date of publication of this public notice and should include the application number noted above and also identify a contact person to receive notifications. Petitions may also identify a person who is authorized to engage in discussions regarding the application and, if resolution is reached, withdraw the petition. Upon receipt of a petition, the Commissioner shall take action as required by relevant laws, including Public Act 25-84, which was effective upon passage in June 2025. The Office of Adjudications will accept electronically-filed petitions for hearing in addition to those submitted by mail or hand-delivered. Petitions with required signatures may be sent to deep.adjudications@ct.gov; those mailed or delivered should go to the DEEP Office of Adjudications, 79 Elm Street, Hartford, CT 06106. If the signed original petition is only in an electronic format, the petition must be submitted with a statement signed by the petitioner that the petition exists only in that form. Original petitions that were filed electronically must also be mailed or delivered to the Office of Adjudications within 30 days of electronic submittal. Additional information can be found at

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Audra Dickson
Director
Water Permitting and Enforcement Division
Bureau of Materials Management and Compliance Assurance

Dated: September 15, 2025